## Index of Claims

Application No.

10722760

Examiner

Abbucaur(2)

Art Unit

✓ Rejected
= Allowed

- (Through numeral)
Cancelled
+ Restricted

Non-Elected
I Interference

A Appeal
O Objected

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| Cla      | Date            |              |              |          |          |          |   |        |   |          |   |          |        |          |          |              |
|          | T               |              |              |          |          |          |   |        |   |          |   |          |        |          |          |              |
| Final    | Original        |              |              |          |          |          |   |        |   |          |   |          |        |          |          |              |
|          |                 | )            |              |          |          |          |   |        |   | _        | I |          | _      | $\perp$  |          |              |
|          | _               |              |              |          |          | I        |   |        |   |          | L |          | _      | 1        | _        |              |
|          | 3               |              | L            | _        |          |          |   | L      |   | _        | l | _        | _      | 4        |          |              |
|          | 5               |              | I            |          |          |          |   | L      |   | _        |   |          |        | 4        |          |              |
|          | 5               | _            | L            |          | _        | _        |   | L      |   |          | 1 |          | _      | 1        |          |              |
|          | 6               | ļ            | L            | ╛        |          | 4        |   | L      | _ | _        | ļ | _        | _      | 4        |          |              |
|          | 7               | 1_           | 1            | _        | _        | 4        |   | Ļ      | _ | _        | 1 | _        | _      | 4        |          |              |
|          | 8               | L            | L            | _        | _        | 4        |   | L      |   | _        | 1 | _        | _      | 4        |          |              |
| ļ        | 9               | <u> </u>     | 1            | _        | _        | 4        |   | ļ      | _ | L        | 1 |          | _      | 4        |          | ļ            |
|          | 10              | <u> </u>     | 1            | _        | _        | 4        |   | 1      |   | _        | 1 |          | _      | 4        |          | ł            |
|          | 11              | <u> </u>     | 1            | _        | _        | 4        |   | Ļ      |   | _        | 1 |          | L      | 4        | _        | ł            |
|          | 12              | $\vdash$     | +            | 4        | L        | 4        |   | ╀      |   |          | + |          | -      | +        |          | {            |
|          | 13<br>14        | ╁            | ł            |          | _        | -        |   | ╀      |   | -        | + |          | ┝      | +        |          | ł            |
| -        | 14              | +            | +            | _        | -        | 4        | _ | +      |   | -        | + |          | -      | $\dashv$ |          | $\mathbf{I}$ |
| -        | 15<br>16        | ╁            | +            |          | H        | ┪        |   | +      |   | ⊢        | + |          |        | $\dashv$ |          | 1            |
| -        | 17              | ╁            | ╁            | _        | ┞        | $\dashv$ | - | ╁      | _ | $\vdash$ | ╁ |          | -      | -        |          | ┨            |
| -        | 11/             | ╁╌           | +            |          | ┝        | ┨        |   | +      |   | ╌        | + | -        | -      | $\dashv$ |          | 1            |
|          | 18<br>19        | +-           | +            | _        | ┝        | 1        |   | +      |   | -        | + | -        | ╁      | -        | _        | 1            |
| -        | 20              | <del>-</del> | t            |          | <u>-</u> | -        |   | -i     | - | i        | t |          | H      | ·        |          | i            |
| -        | 21              | +-           | $^{\dagger}$ |          | ┞        | -1       | _ | †      | _ | $\vdash$ | + |          | t      | 7        |          | 1            |
|          | 21<br>22        | ╁╴           | +            |          | H        | -        | _ | †      | - | ╁╴       | 1 | _        | t      | 7        | _        | 1            |
|          | 23              | +            | +            |          | †-       |          | _ | †      |   | ╁        | + | _        | t      |          |          | 1            |
| $\vdash$ | 24              | ╁            | †            | _        | t        |          | _ | †      | _ | t        | 7 | _        | T      | T        | _        | 1            |
|          | 25              | 1            | Ť            | _        | t        |          |   | †      |   |          | 1 |          | 1      | _        |          | 1            |
| $\vdash$ | 26              | T            | 1            |          | t        | _        | _ | 1      |   | 1        | 1 |          | T      |          |          | 1            |
|          | 26<br>27        | $\top$       | 7            |          | T        |          |   | 1      |   | Τ        | ٦ |          |        |          |          | ]            |
|          | 28              |              |              |          | I        |          |   | $\Box$ |   | L        |   |          | L      |          | Ĺ        | 1            |
|          | 29              |              |              |          | L        |          |   |        |   |          |   |          | L      |          |          | 1            |
|          | 30              |              |              |          | L        |          | L | 1      |   | L        | ╝ |          | ļ      |          | L        | 1            |
|          | (31<br>32<br>33 | 2            | _            | _        | ļ        | _        | L | 4      |   | 1        |   | _        | 1      |          | _        | 4            |
| <u> </u> | 32              | 1_           | ╛            |          | ļ        |          | L | 4      |   | 1        | _ |          | ╀      | _        | <u> </u> | 4            |
|          | 33              | ┸            | 4            |          | 1        |          | L | 4      |   | ╀        | _ | L        | 1      |          | L        | 4            |
| <u> </u> | 34<br>(35       | J            | 4            | _        | 1        |          | _ | 4      |   | 1        | _ | _        | +      | _        | L        | 4            |
| <b> </b> | (35             | 4            | J            |          | 1        |          | L | 4      | _ | ╀        | _ | <u> </u> | +      | _        | -        | 4            |
| $\vdash$ | 36              | +            | 4            | _        | +        | _        | ╀ | 4      |   | ╁        | _ | -        | +      | _        | ⊢        | 4            |
|          | 37              | +            | 4            | _        | ╁        |          | ┝ | -      |   | ╁        | - | $\vdash$ | +      |          | ╁╴       | ┨            |
| -        | 38              | +            | -            | _        | ╁        |          | ┞ | ┪      | _ | ╁        | - | ┝        | +      |          | ╁        | ┪            |
| -        | 40              |              | -            | $\vdash$ | t        |          | ╁ |        | _ | +        |   | -        | t      |          | T        | ┪            |
| -        | 41              |              | _            | -        | 1        |          | t | 7      | _ | +        | _ | 厂        | +      |          | T        | ٦            |
| $\vdash$ | 42              |              | -            | $\vdash$ | †        |          | t | 7      | - | +        |   | 1        | †      |          | T        | ٦            |
| 1        | 43              | +            |              | -        | †        |          | T | -      | Т | +        | _ | Τ        | †      | _        | T        | ٦            |
| $\vdash$ | 44              |              |              | Т        | 1        |          | t |        | Γ | †        | _ | 1        | 1      | _        | 1        | ٦            |
|          | 45              |              | _            | T        | 1        | _        | T |        | Τ | 1        |   | Π        | 1      |          | Τ        | ]            |
|          | 46              | ;            | _            | Γ        | 1        | _        | T |        | Г | 1        |   | Γ        | 1      |          | Ι        | ]            |
|          | 47              | 7            |              |          | 1        | _        | Ι |        |   | Ţ        | _ | Γ        | _      |          | L        |              |
|          | 48              | 3            | _            | Γ        | ]        | _        | Ι | _      |   | I        |   |          | I      | _        | $\Gamma$ |              |
|          | 49              | <b>9</b> •   | _            |          |          |          | Ι |        |   | $\perp$  | _ |          | $\int$ | _        | Ī        | ╝            |
|          | 50              | эΤ           | _            | Γ        | 1        |          | Γ |        | Г | Ī        |   | Γ        | 1      |          |          | 1            |

| Cla          | Date     |          |          |          |    |   |     |   |   |    |    |   |          |           |          |
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|              |          | T        | 7        |          | Γ  | Ť |     | Ţ |   |    | Ţ  | ٦ |          |           |          |
| Final        | Original | •        |          |          | .  |   |     |   |   |    |    |   |          |           |          |
|              | 51       |          | Γ        |          |    | Γ | - } |   | 1 |    |    | 1 | _        |           | ļ        |
|              | 52       |          | Γ        | T        |    | Γ |     |   | 7 |    |    |   |          |           | ł        |
|              | 58       |          | 1        | 7        | _  | Γ |     |   | T |    | Г  | Т |          |           | ]        |
| <del> </del> | 54       | -        | ✝        | 7        | _  | t | 1   |   | 7 |    |    | 1 |          |           | 1        |
|              | 55       | -        | ╁        | +        |    | t | _   | _ | 7 |    | Г  | 1 |          | Г         | 1        |
| <u> </u>     | 56       | -        | ╁╴       | ┪        |    | t |     | - | 7 | _  | ┢  | + | _        | Т         | 1        |
| <u> </u>     | 57       | -        | ╁╴       | +        |    | ╁ | -   | - | + | _  | H  | + | _        | Г         | 1        |
|              | 58       | ⊢        | ╁        | $\dashv$ | _  | ╁ | -   | ┢ | ┪ | _  | H  | 1 | _        | $\vdash$  | 1        |
| <u> </u>     |          | ┢        | ╁        | +        |    | ╁ | -   | - | ┪ | _  | ╁  | 7 |          | t         | 1        |
| <u> </u>     | 59       | ┝╌       | ╁        | $\dashv$ |    | t | -   | H | 1 | _  | H  | + |          | ┢         | 1        |
| <b> </b>     | 60       | ├        | ╀        | ┥        |    | ╁ | -   | - | - |    | ╁  | + | _        | -         | 1        |
|              | 61       | ├-       | ╁        | -        | _  | ╁ | _   | - | + | -  | -  | + | _        | H         | 1        |
|              | 62<br>63 | ├        | ╁        | ┪        |    | ╁ | -   | H | - | -  | †- | 7 | _        | Τ         | 7        |
|              | 64       | +-       | ╁        | ┪        | _  | † |     | ┢ |   | -  | T  | 7 | _        | 1         | 1        |
|              | 65       | ┢        | +        | 7        | _  | t | _   | ✝ | _ | -  | T  | 7 |          | Γ         | 7        |
|              | 66       | $\vdash$ | ╁        |          |    | t |     | T |   | -  | T  | 7 | _        | Γ         | 1        |
| <b>-</b>     | 67       | 1        | ╁        | 7        | _  | t |     | T |   |    | Τ  | T |          | 1         | 7        |
|              | 68       | t        | †        | T        | _  | t |     | 1 |   | Γ  | T  |   |          | Γ         | ]        |
| _            | 69       | t        | +        |          | -  | † | _   | Ţ |   | -  | Ţ  |   |          | 1         | ]        |
| Γ            | 70       | Ť        | i        |          | _  | T |     | Ī |   | Γ  | T  |   |          | 1         |          |
|              | 71       | 1        | 1        |          |    | T |     | T |   |    | Ι  |   |          | L         |          |
| -            | 72       | T        | †        |          | Г  | Ť |     | Τ |   |    | Τ  |   |          | L         |          |
|              | 73       | †        | 1        |          | Г  | 1 |     | Τ |   |    |    |   |          |           |          |
|              | 74       | T        | 1        |          |    | 1 |     | Ţ |   |    |    |   |          | 1_        | ╛        |
|              | 75       | Τ        | 1        |          |    | 1 |     |   | _ | L  | 1  | ! | _        | $\perp$   | 4        |
|              | 76       | L        |          |          |    | 1 | _   | 1 |   | L  | 1  | _ | _        | 1         | 4        |
|              | 77       | Ι        |          |          | L  | 1 |     | ┸ |   | 1_ | ┸  | _ | L        | 1         | 4        |
|              | 78       | _        | ┙        | _        | L  | 1 |     | 1 |   | ↓_ | 4  | _ | _        | ╀         | 4        |
|              | 79       | L        | 1        | _        | L  | 1 | _   | 1 |   | L  | 4  | _ | ļ.,      | +         | 4        |
|              | 80       | ┸        | _        |          | L  | 1 | _   | 1 |   | ↓_ | 4  |   | <u> </u> | +         | 4        |
| <u>_</u>     | 81       | 1        | 4        | _        | L  | 4 | _   | 1 |   | ╀  | +  | _ | -        | +         | 4        |
| <u></u>      | 82       | ┸        | 4        | _        | L  | 4 | _   | 4 | _ | ┼- | 4  | _ | -        | +         | 4        |
| <u></u>      | 83       | 4-       | _        |          | 1_ | 4 | _   | 4 | _ | +  | +  | _ | ├        | +         | 4        |
| L_           | 84       | 4        | 4        |          | ╀  | 4 | _   | 4 | _ | +  | +  | _ | ┞        | +-        | $\dashv$ |
| <u> </u>     | 85       | 1        | 4        |          | ļ. | 4 | _   | + |   | ╀  | +  |   | ┞        | +         | $\dashv$ |
| <u> </u>     | 86       | 4        | 4        |          | ╀  | 4 |     | + | _ | ╀  | +  |   | ╂╌       | +         | $\dashv$ |
|              | 87       | 4-       | 4        |          | ╀  | 4 | _   | + | _ | +- | +  | - | ╁        | +         | ᅱ        |
| <u> </u>     | 88       |          | 4        |          | ╀  | - | _   | + | _ | +  | ┪  | _ | ╁        | +         | $\dashv$ |
| -            | 89       | +        | -        | _        | ╀  | 4 | -   | ┪ | _ | ╁  | +  | - | 十        | +         | -{       |
| <u> </u>     | 90       | +        | $\dashv$ | _        | ╁  | - | ┝   | + | _ | +  | +  | _ | ╁        | ╅         | $\dashv$ |
| -            | 91       | +        | -        | _        | ╀  | _ | -   | + | _ | +  | ┪  |   | ✝        | +         | ᅥ        |
| -            | 92<br>93 | +        | -1       | _        | ╁  | - | H   | + | - | +  | ┪  | _ | 1        | +         | ┨        |
| -            | 94       |          | ┥        |          | +  | _ | H   | + |   | +  | 7  | _ | 1        | $\dagger$ | ㅓ        |
| <u> </u>     | 95       |          | $\dashv$ | _        | +  | _ | ۲   | 7 |   | +  | 7  | _ | T        | 寸         | ヿ        |
| -            | 96       |          | ᅱ        |          | +  | _ | t   | 7 | _ | +  | ┪  | _ | 1        | 1         |          |
| -            | 97       | +        | -        | _        | ╅  | _ | t   | 7 | _ | +  | 7  | _ | 1        | 7         |          |
| $\vdash$     | 98       |          | -        | Г        | †  | _ | t   | 7 | _ | 1  | ٦  | _ | 1        | _         |          |
| }-           | 99       | 1        | _        | $\vdash$ | †  |   | t   | 7 | Г | 1  |    |   | T        | J         |          |
|              | 10       |          | _        | Γ        | †  | _ | T   | 1 |   | 1  |    |   | floor    |           |          |
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|                  | ł                               | L_      | L        | _ |   | _ |    |    |        | _  |          |   | _  |            |   |                |          |   |
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| i <u> </u>       | Original                        | ĺ       |          |   | 1 |   |    | l  |        | 1  |          | l |    |            | ł |                |          |   |
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|                  | 101                             |         |          |   | L |   | L  | _  | _      | ╛  | _        | 4 | _  | L          | 4 | L              | 4        |   |
|                  | 102                             | L       | 1        |   | L |   | L  | _  | _      | _  |          | 1 |    | <u>_</u>   | _ | _              | 4        |   |
|                  | 103                             | L       | 1        |   | L |   | L  |    |        | _  | _        | 1 |    | L          |   | L              | 4        |   |
|                  | 104                             | L       | 1        |   | 1 | _ | L  |    | _      | _  | _        | 4 | _  | L          | _ | L              | 4        |   |
|                  | 105                             | L       | 1        | _ | L | _ | L  | _  | _      | _  | _        | 1 | _  | ļ_         | _ | _              | 4        |   |
|                  | 106                             | L       | 1        | _ | 1 |   | L  |    | L      | _  | _        | 4 |    | L          | _ | _              | 4        |   |
|                  | 107                             | 1_      | 1        |   | 1 | _ | L  | _  | L      |    | L        | 4 | _  | L          |   | L              | 4        |   |
|                  | 108                             | L       | 4        |   | L |   | ļ_ |    | L      | _  | L        | 4 | _  | 1          | _ | L              | 4        |   |
|                  | 109                             | L       | 4        |   | 1 |   | L  | _  | L      | _  | _        | 4 |    | 1          | _ | Ļ              | 4        |   |
|                  | 110                             | L       | _        | _ | 1 |   | L  |    | L      | _  | <u> </u> | 4 | _  | -          | _ | L              | 4        |   |
|                  | 111                             | L       | 4        |   | 1 | _ | L  | _  | L      | _  |          | 4 |    | 1          | _ | 1              | $\dashv$ |   |
|                  | 112                             | 1       | 4        | _ | 1 |   | Ļ  |    | Ļ      | _  | _        | 4 | _  | +          |   | ╀              | $\dashv$ |   |
|                  | 111<br>112<br>113               | $\perp$ | -        | _ | 1 |   | 1  |    | 1      | _  | 1        | 4 |    | +          | _ | <del> </del> - | 4        |   |
|                  | 114<br>115                      | 1       | 4        | _ | 4 |   | 1  | _  | 1      | _  | -        | - |    | 1          |   | -              | -        |   |
|                  | 115                             | 1       | 4        |   | 4 |   | +  | _  | -      | _  | ╀        | - | _  | 1          | _ | +              | $\dashv$ |   |
|                  | 116                             | 1       | 4        | _ | + | _ | +  |    | ╀      |    | ╀        | - |    | +          | _ | +              | $\dashv$ |   |
|                  | 117                             | ╀       |          | _ | 4 |   | +  |    | ╀      | _  | ┝        | 4 | _  | ÷          | - | +              | -        |   |
|                  | 118                             | +       | _        | _ | 4 | _ | Ļ  | _  | ╀      | _  | ╀        | - |    | <u>-</u> - | _ | 1_             | _        |   |
|                  | 118<br>119<br>120<br>121        | ÷       |          | _ | - |   | Т  |    | 7      | _  | ÷        | i |    | T          |   | _              | 1        |   |
|                  | 120                             | +       | -        | _ | + | _ | ╁  |    | ╁      | _  | ╁        | - | _  | +          | _ | ╁              | $\dashv$ |   |
|                  | 121                             | +       |          | _ | 4 |   | ╁  |    | ╁      | _  | ╁        | - | _  | +          | - | +              | $\dashv$ |   |
|                  | 122<br>123<br>124<br>125<br>126 | +       | -        | - | + | _ | ╁  | -  | ╁      | _  | ╁        | _ | _  | $^{+}$     | _ | +              | _        |   |
|                  | 123                             | +       | _        | - | - | _ | +  | -  | +      | _  | +        | - | -  | +          | _ | +              | ᅥ        | İ |
|                  | 124                             | +       | $\dashv$ | - | ┨ | _ | +  | -  | $^{+}$ | _  | ╁        |   | Н  | +          | _ | †              | _        |   |
|                  | 125                             | +       | -        | H | ┪ | _ | +  |    | +      |    | †        |   | r  | +          | _ | †              | -        |   |
|                  | 127<br>128<br>129               | +       |          | H | - | - | †  | _  | †      | _  | +        | _ |    | †          | _ | †              |          | ĺ |
|                  | 128                             | +       | _        | - | _ | _ | 1  | _  | †      |    | +        | _ | T  | 7          |   | 1              |          |   |
| ├─               | 120                             | 7       | _        | ┢ | d | Г | 1  | _  | †      |    | 1        | _ | T  | 1          |   | 1              |          | Ì |
| <del>  -</del> - | 130                             | 1       | _        | ┪ | - | H | 1  |    | 1      | _  | †        | _ | T  | 7          |   | 7              |          |   |
| ┝                | 131                             | 1       |          | t |   | ┢ | 1  | _  | 1      | _  | 1        | _ | Γ  | ٦          | _ | ٦              |          | 1 |
| _                | 132                             | 7       | _        | T | _ | r | 7  | _  | 7      |    | 1        |   | 1  | 1          |   | ٦              |          |   |
| -                | 132<br>133                      | 31      |          | T |   | Г | ╛  | _  | 7      |    | 1        |   | Γ  |            |   |                |          | ] |
| $\vdash$         | 134                             | 4       |          | t |   | T | 7  | _  | 7      | _  | 1        |   | Т  |            |   |                |          | ] |
| $\vdash$         | 135                             | 5       | _        | T | _ | Τ | ٦  |    | ٦      |    | 7        | _ | Ī  |            |   |                |          | ] |
|                  | 135                             | 5       | _        | Ť |   | Γ |    |    |        |    |          |   | Ι  |            |   |                | _        | 1 |
|                  | 13                              | 7       |          | Τ | _ |   |    |    |        |    |          |   |    |            | L |                | _        | 1 |
|                  | 138                             | В       |          | 1 |   |   |    |    |        |    |          |   | l  |            | L | _              |          | 1 |
|                  | 139                             | 9       |          | Ţ |   |   |    |    | _ '    |    | _        | _ | 1  |            | L | _              | _        | 1 |
|                  | 14                              |         |          | I |   | L |    |    |        | L  | _        |   | 1  |            | L | _              | L        | 4 |
|                  | 14                              |         |          | 1 |   |   |    | L  | _      | L  | _        | _ | 1  |            | L | _              | ļ        | 4 |
|                  | 14                              |         |          | 1 | _ | Ţ |    | L  | _      | L  | _        | _ | 4  |            | - |                | ┞        | 4 |
|                  | 14                              | 3       | _        | 1 |   | 1 | _  | L  | _      | L  | _        | _ | +  | _          | l | _              | -        | 4 |
| L                | 14                              |         | L        | 1 | _ | 1 | _  | 1  | _      | L  | 4        | _ | 4  |            | ł | _              | ⊢        | 4 |
|                  | 14                              |         | L        | 1 |   | 1 | _  | L  | _      | 1  |          | L | 4  | _          | ļ | _              | -        | _ |
| L                | 14                              | 6       | L        | 1 |   | 1 | _  | 1  | _      | 1  |          | L | 4  | _          | + |                | -        | _ |
| _                | 14                              |         | L        | 4 | _ | 1 |    | Ļ  | _      | Ļ  | _        | - | 4  |            | + | _              | +        | _ |
| $\perp$          | 14                              |         | L        | 4 |   | 1 | _  | ╀  | _      | Į. | _        | - | 4  |            | + |                | ╀        | _ |
| <u></u>          | 14                              |         | L        | 4 | _ | 4 | _  | 1  |        | +  | _        | 1 | 4  |            | + |                | +-       | _ |
| <u></u>          | 15                              | 0       | L        | 1 | _ | 1 |    | L  | _      | J. | _        | L | لـ | _          | 1 |                | 1_       | _ |
|                  |                                 |         |          |   |   |   |    |    |        |    |          |   |    |            |   |                |          |   |